

FIG. 1

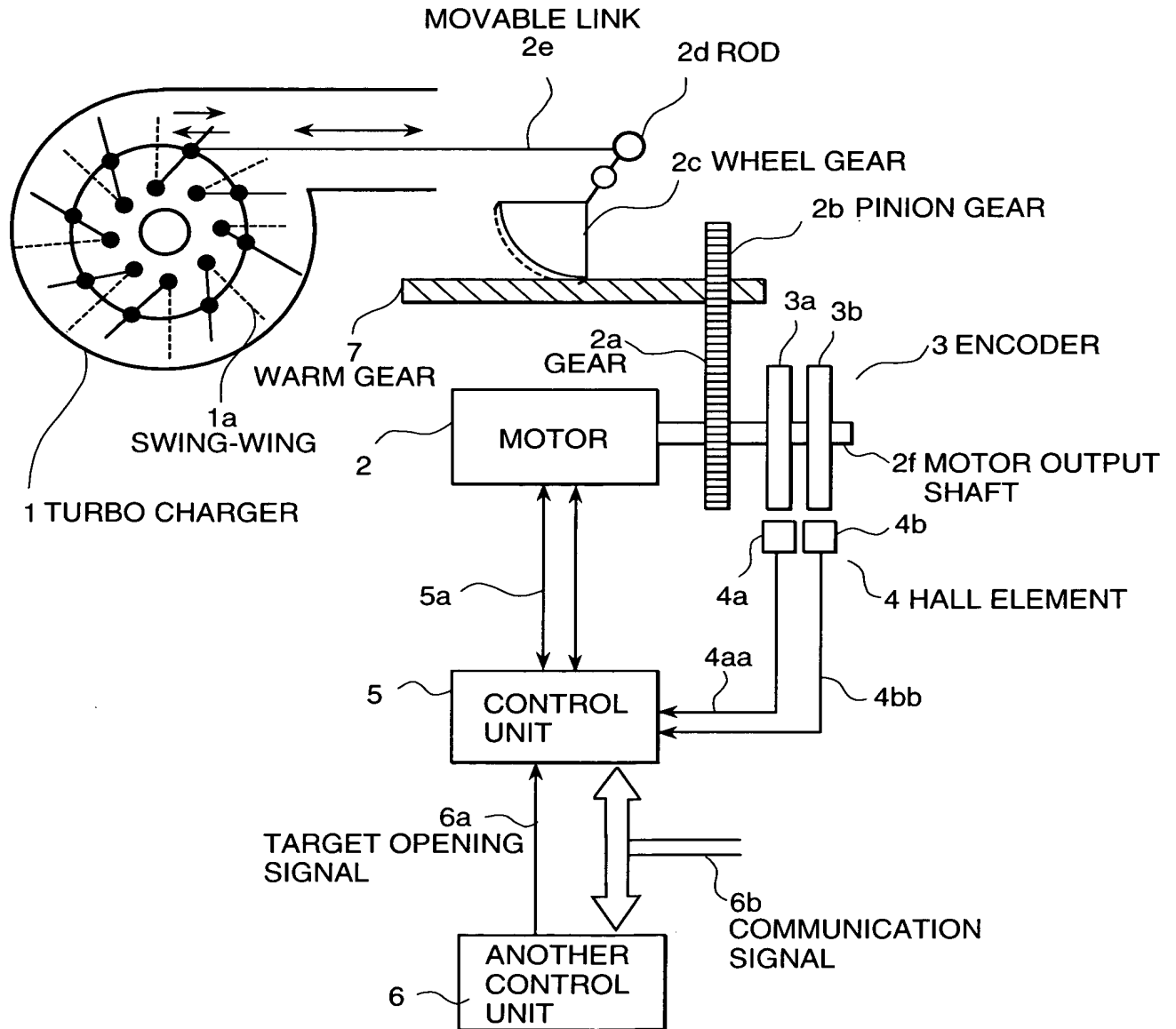


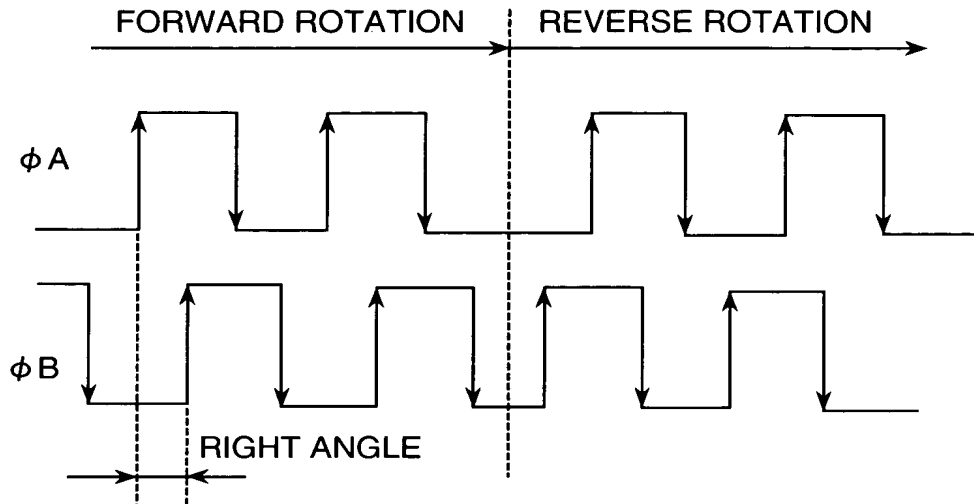
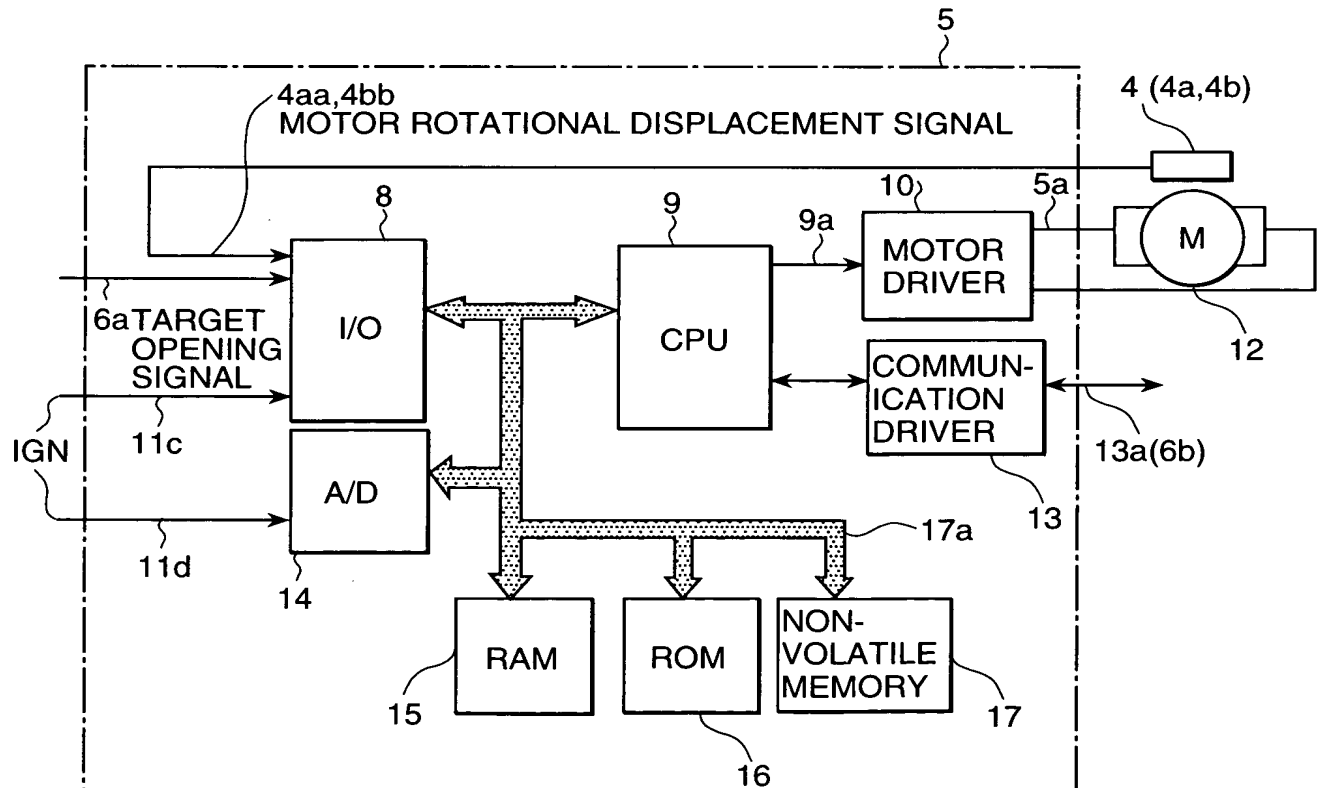
FIG. 2**FIG. 3**

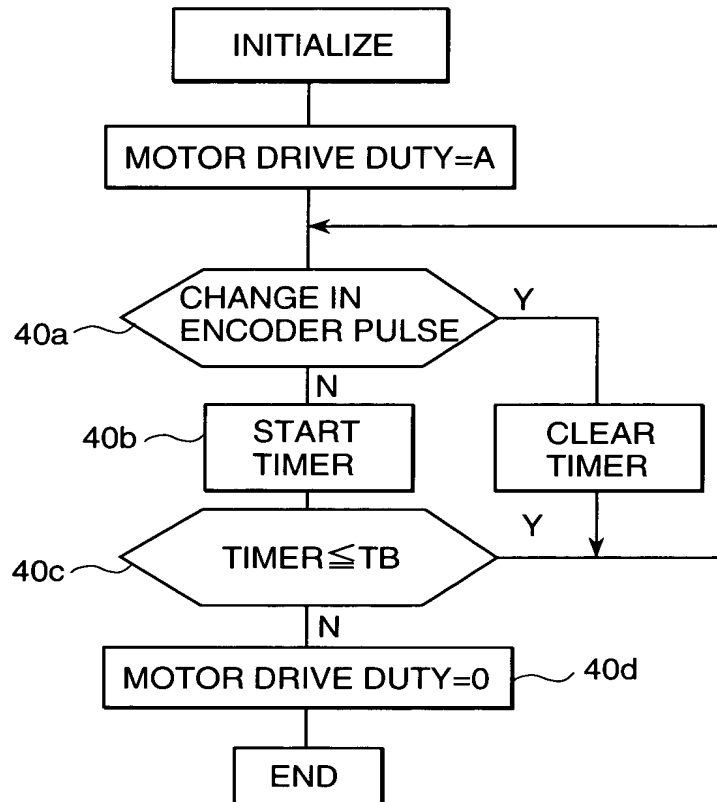
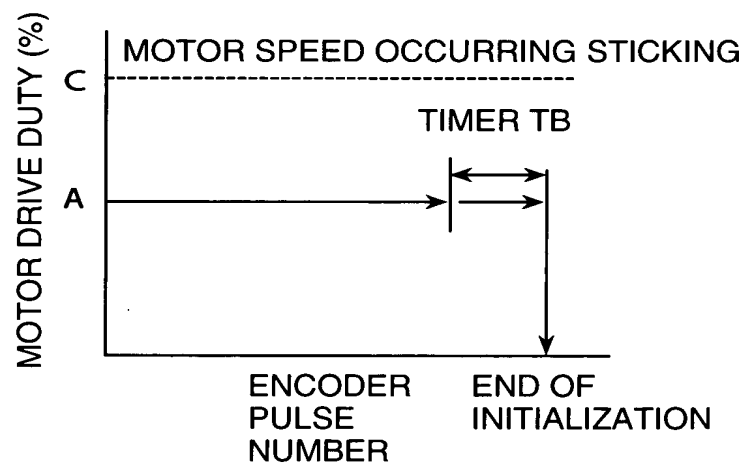
FIG. 4A**FIG. 4B**

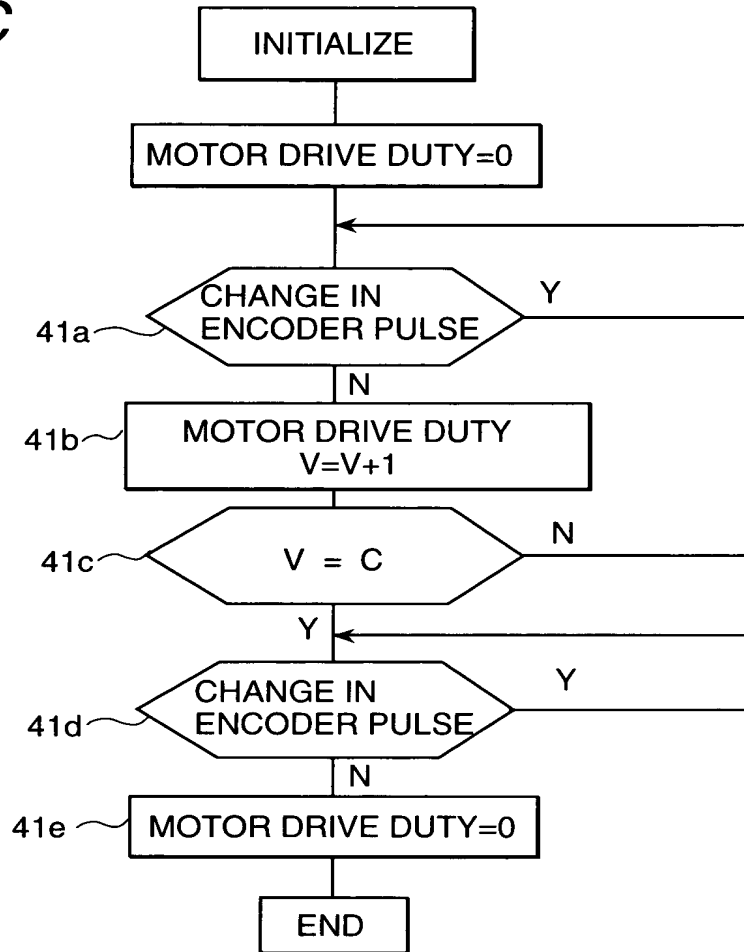
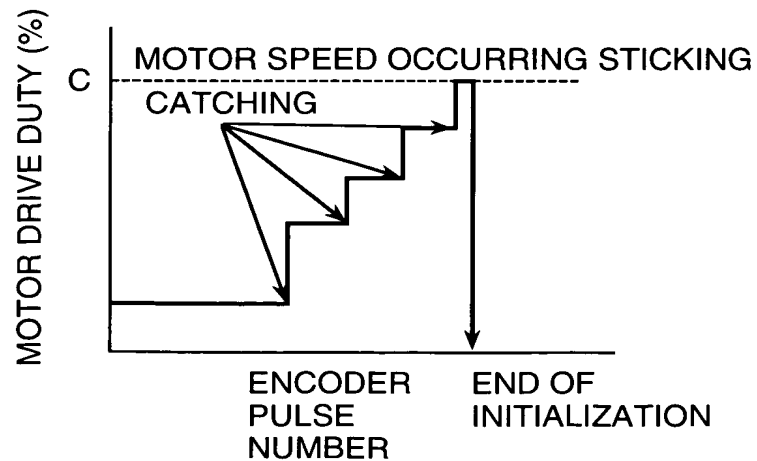
FIG. 4C*FIG. 4D*

FIG. 4E

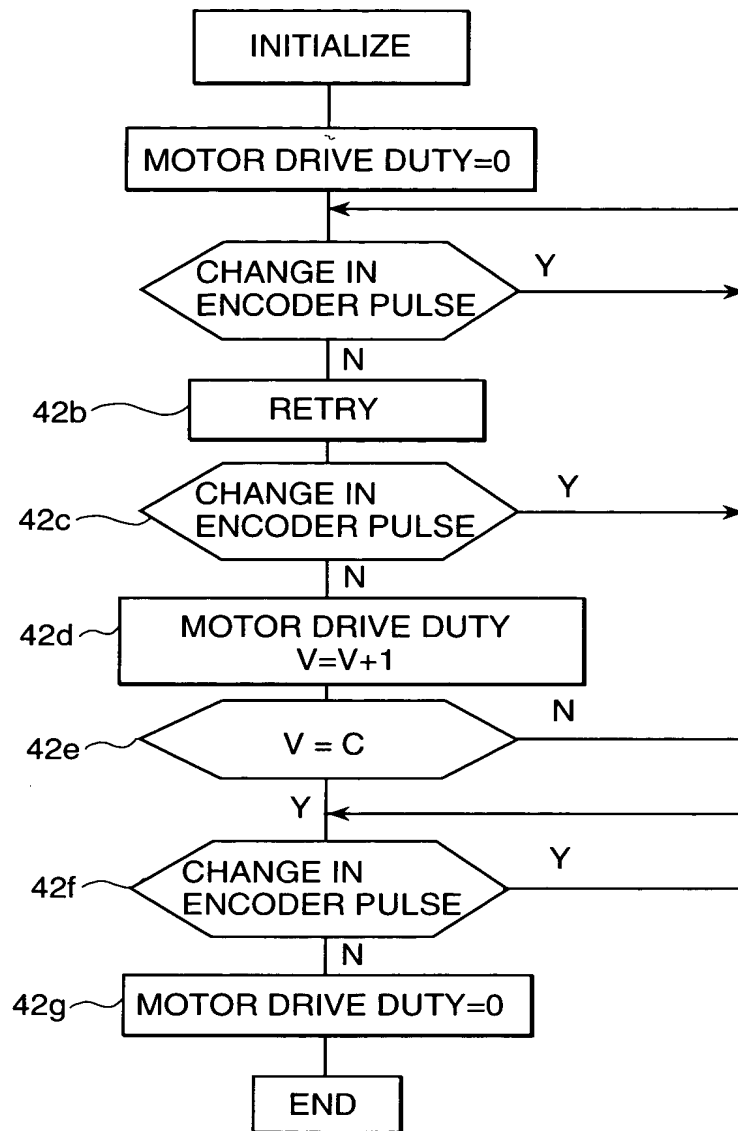


FIG. 4F

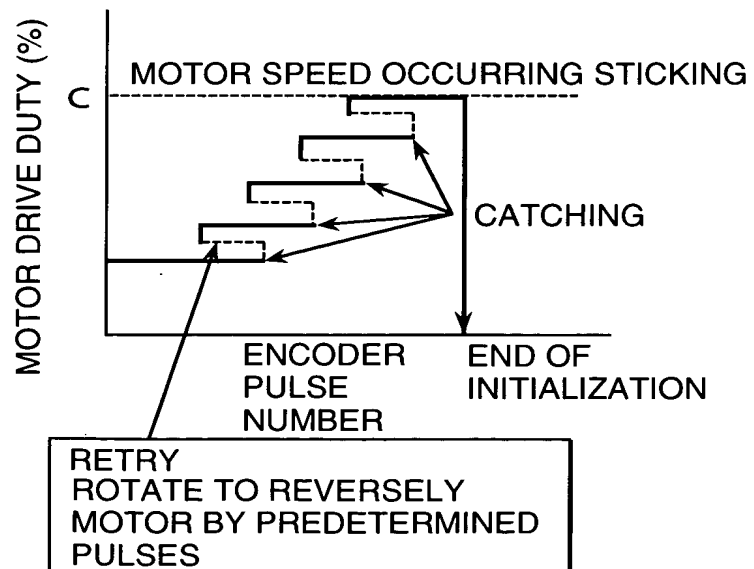


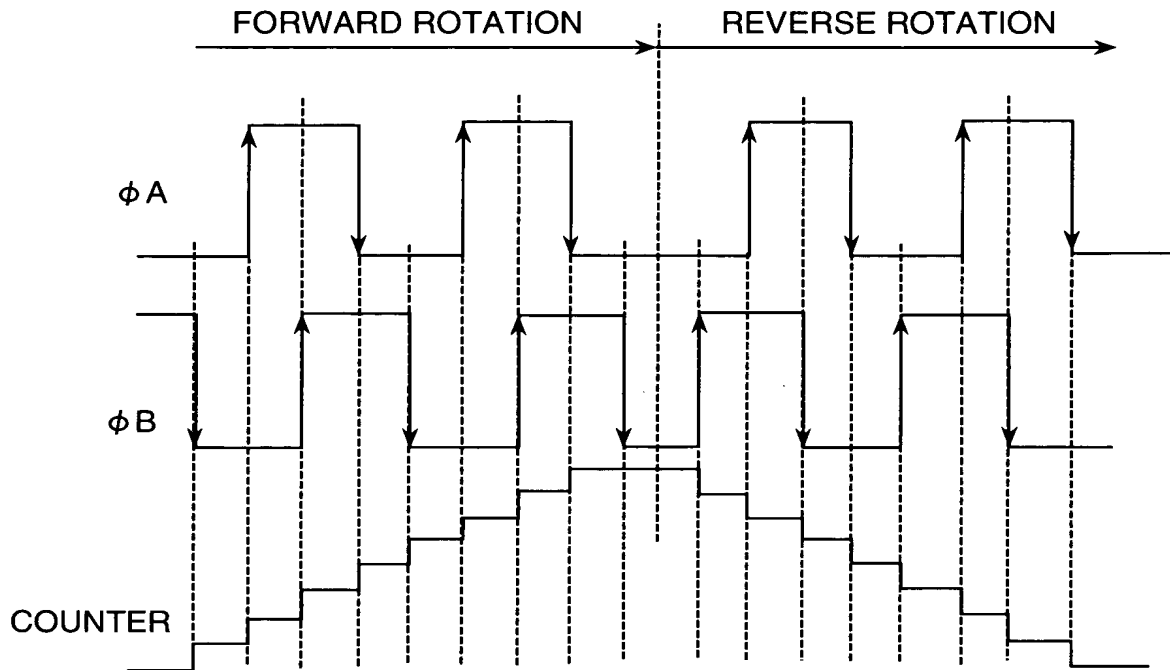
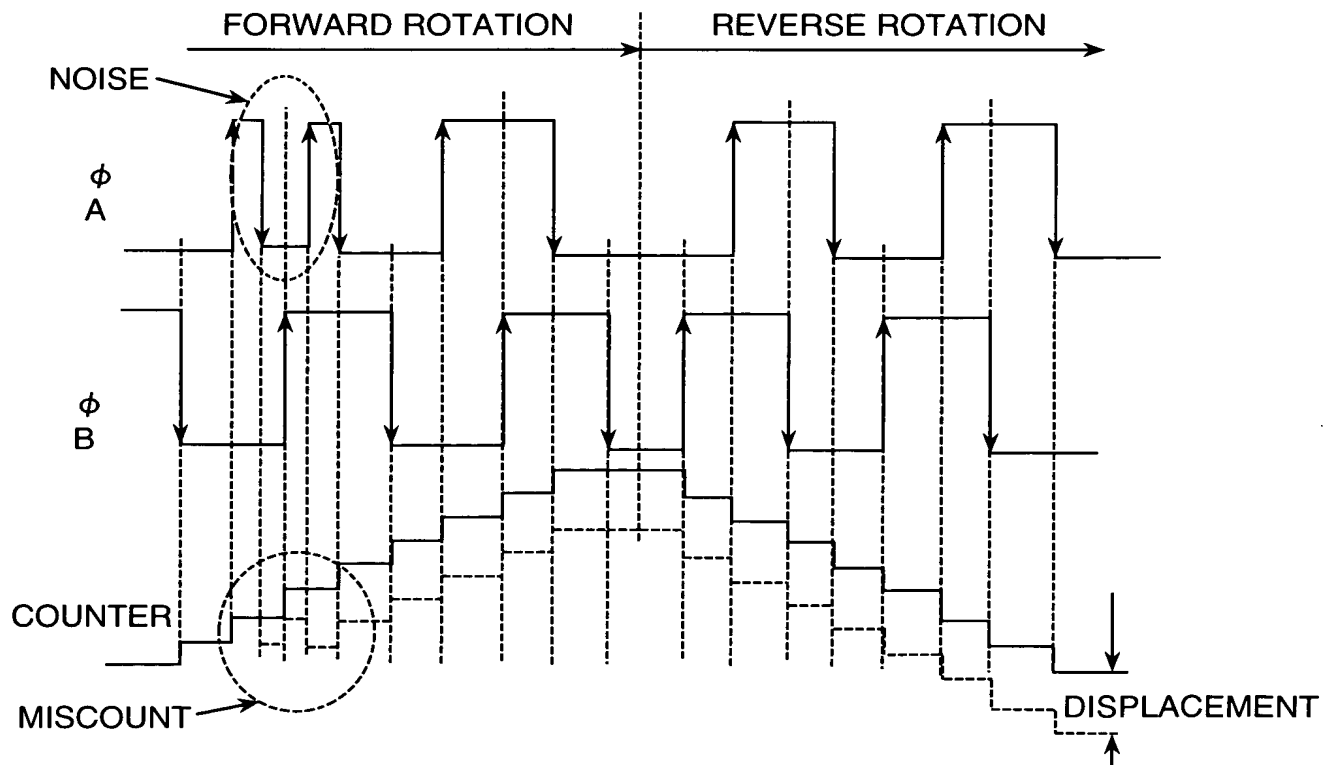
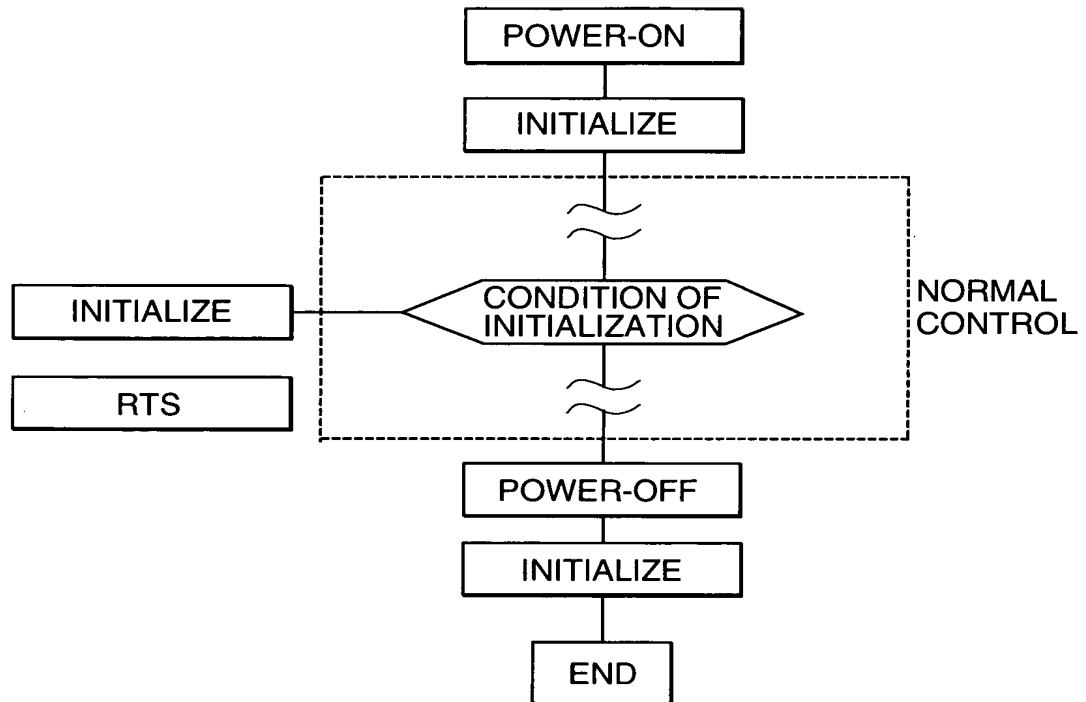
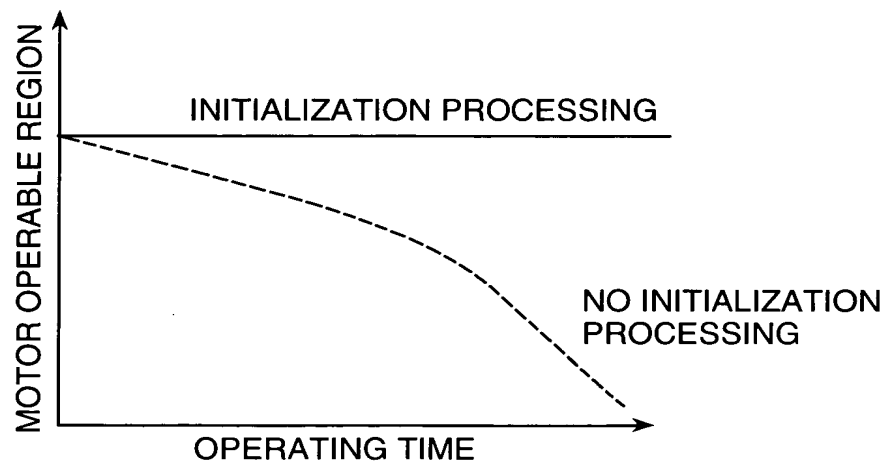
FIG. 5A**FIG. 5B**

FIG. 6**FIG. 8**

(A)

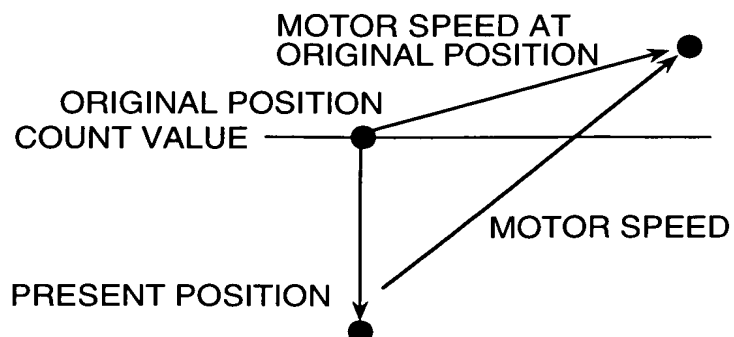
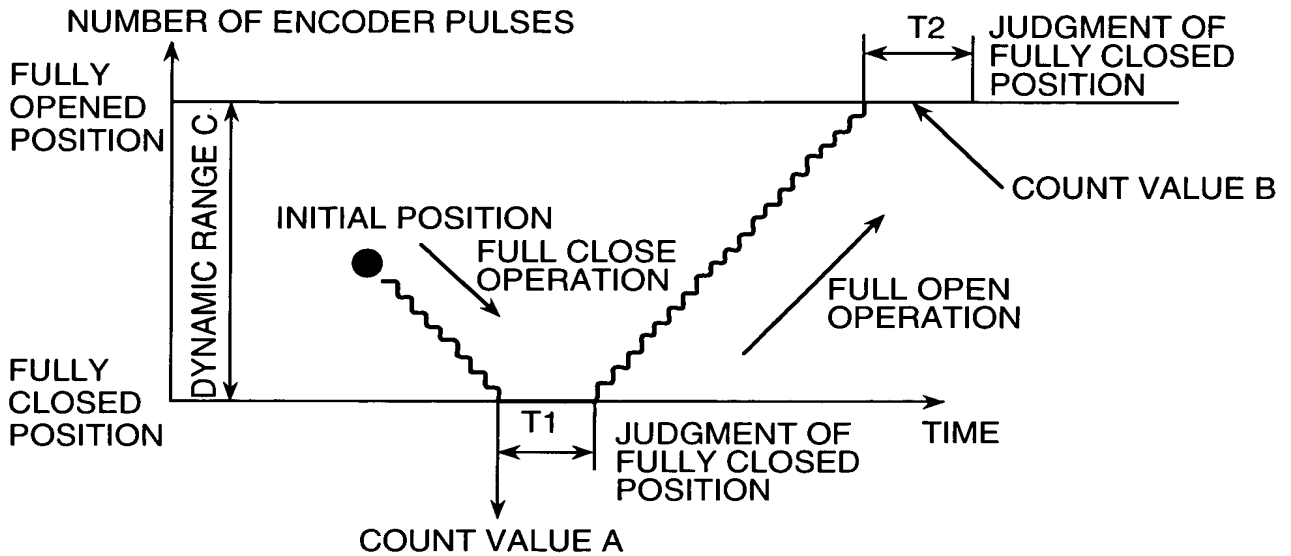


FIG. 9

AT NORMAL OPERATION : $\text{COUNT B} - \text{COUNT A} = \text{DYNAMIC RANGE}$
 AT ABNORMAL OPERATION : $\text{COUNT B} - \text{COUNT A} \neq \text{DYNAMIC RANGE}$

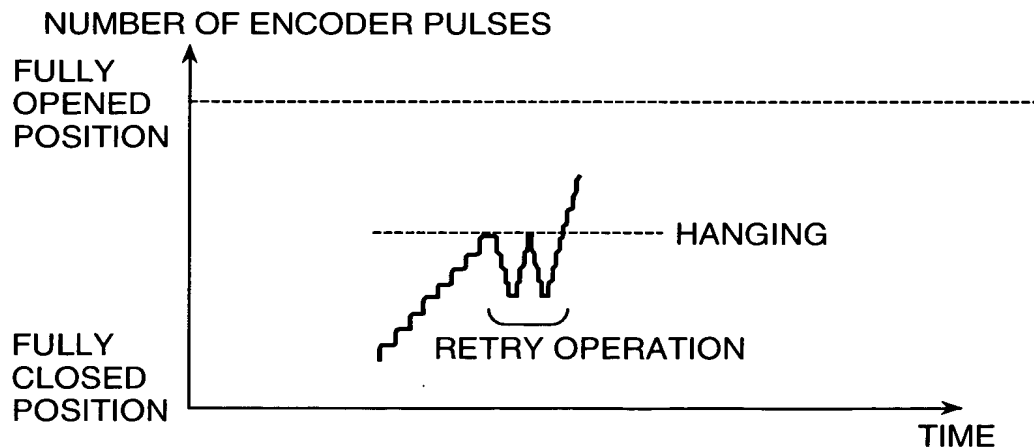
FIG. 10

FIG. 11

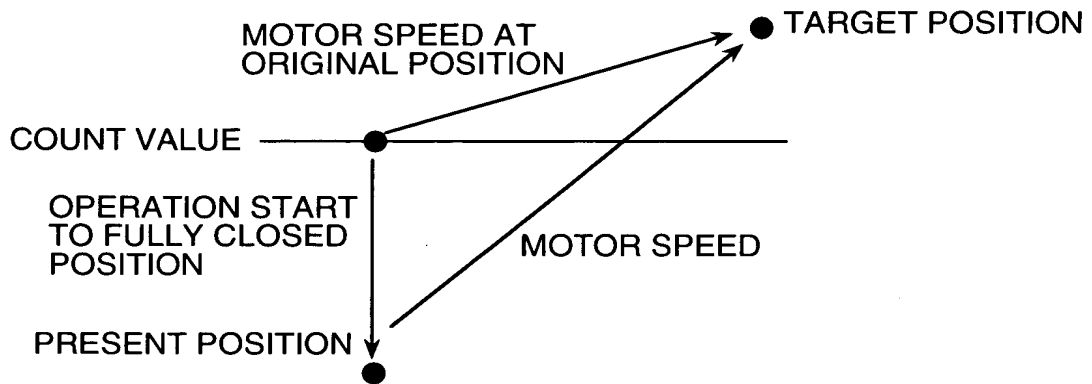


FIG. 12

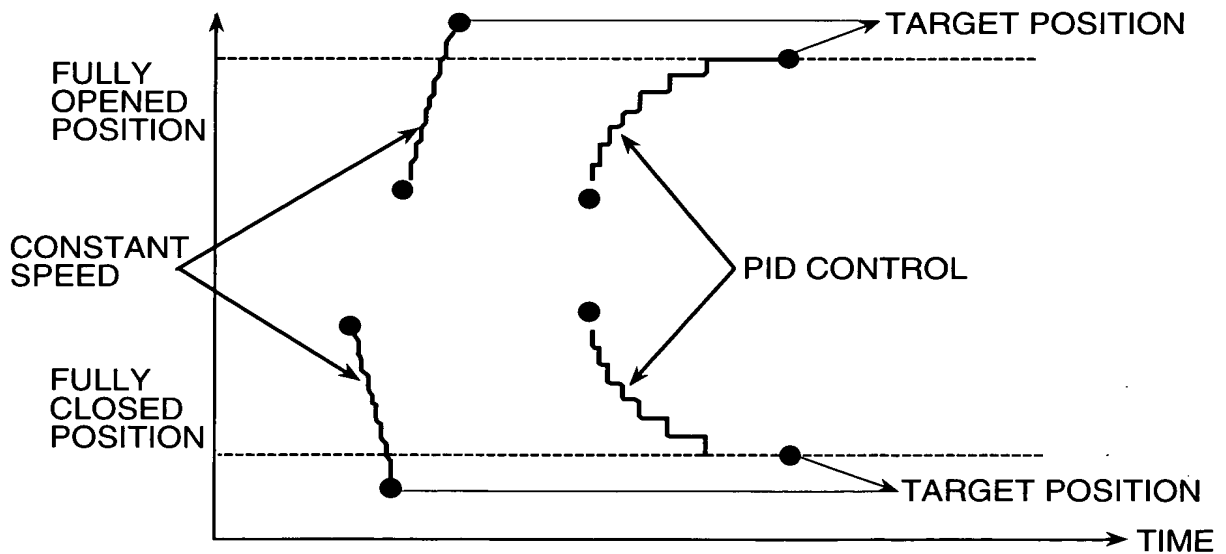


FIG. 13

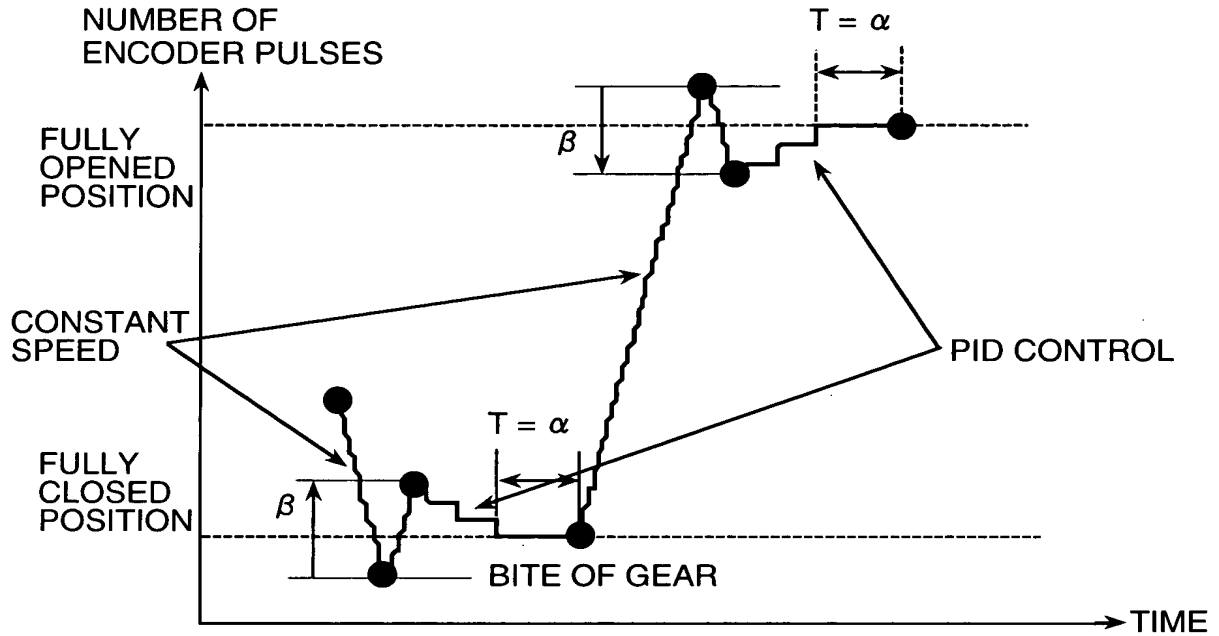


FIG. 14

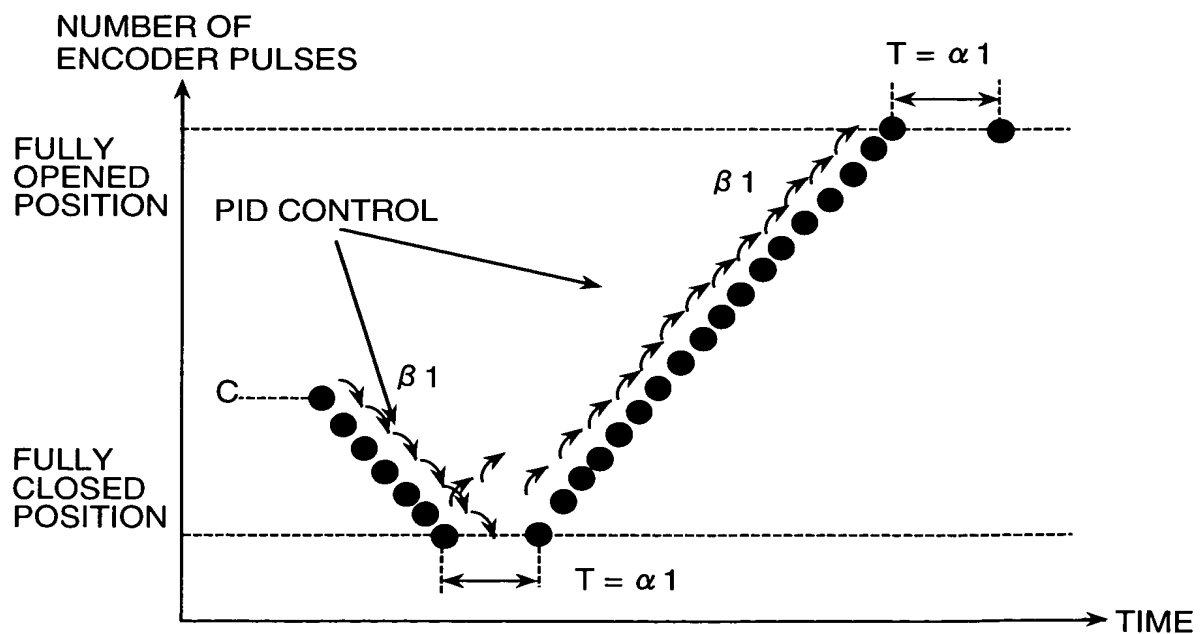


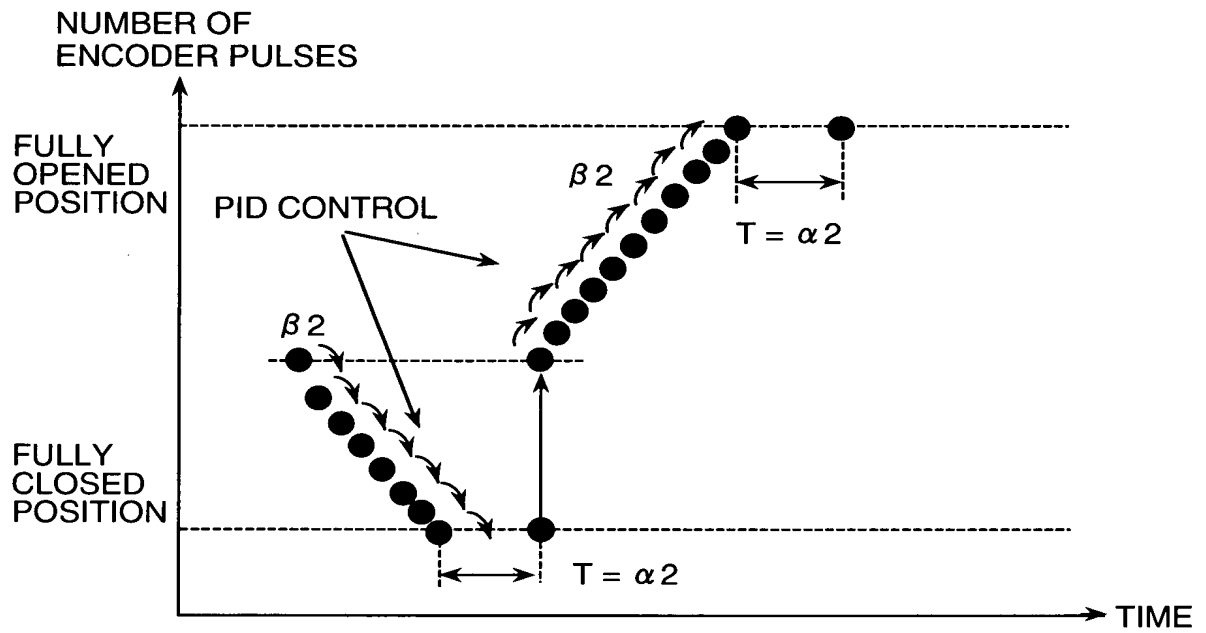
FIG. 15

FIG. 16

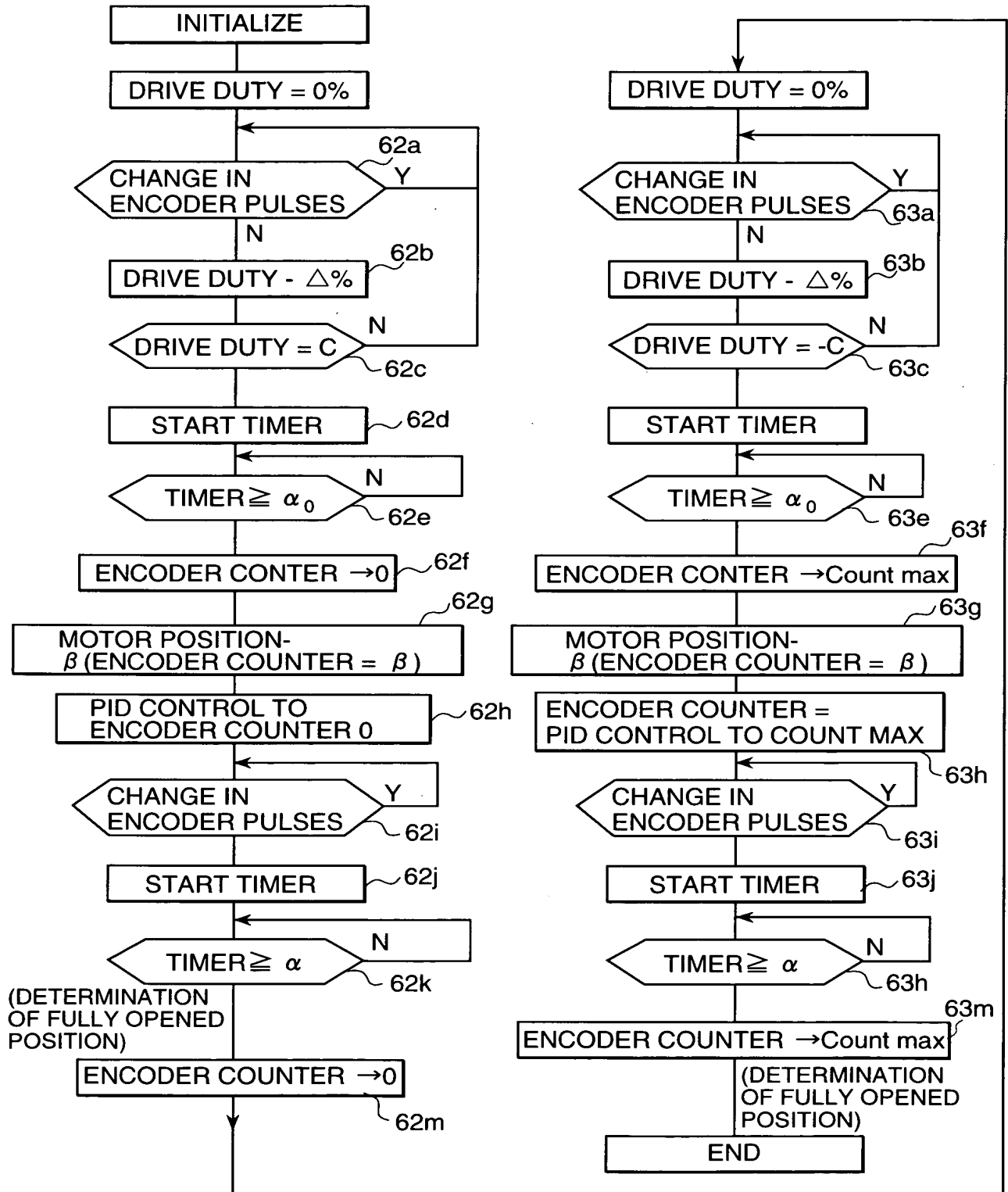


FIG. 17A

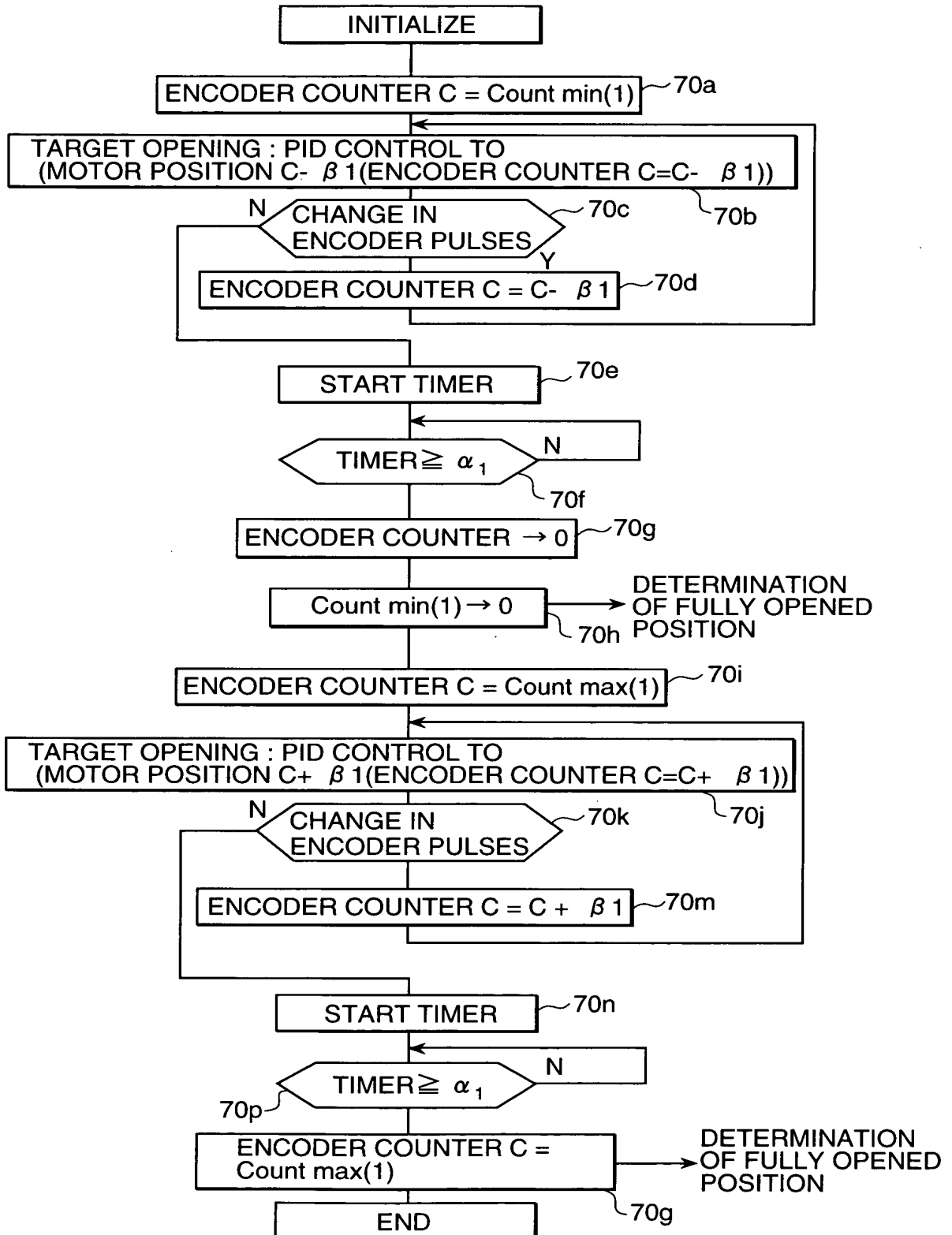


FIG. 17B

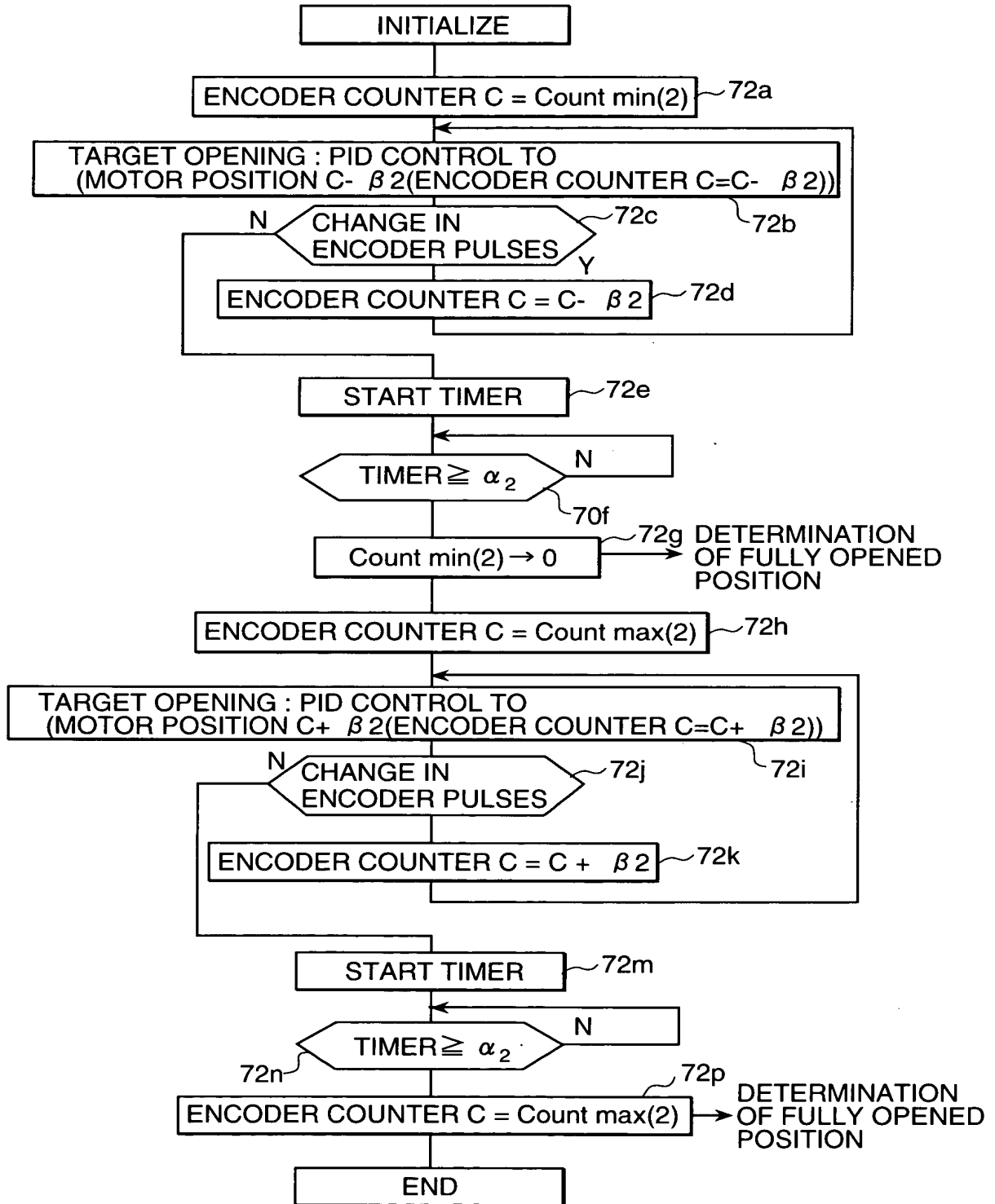


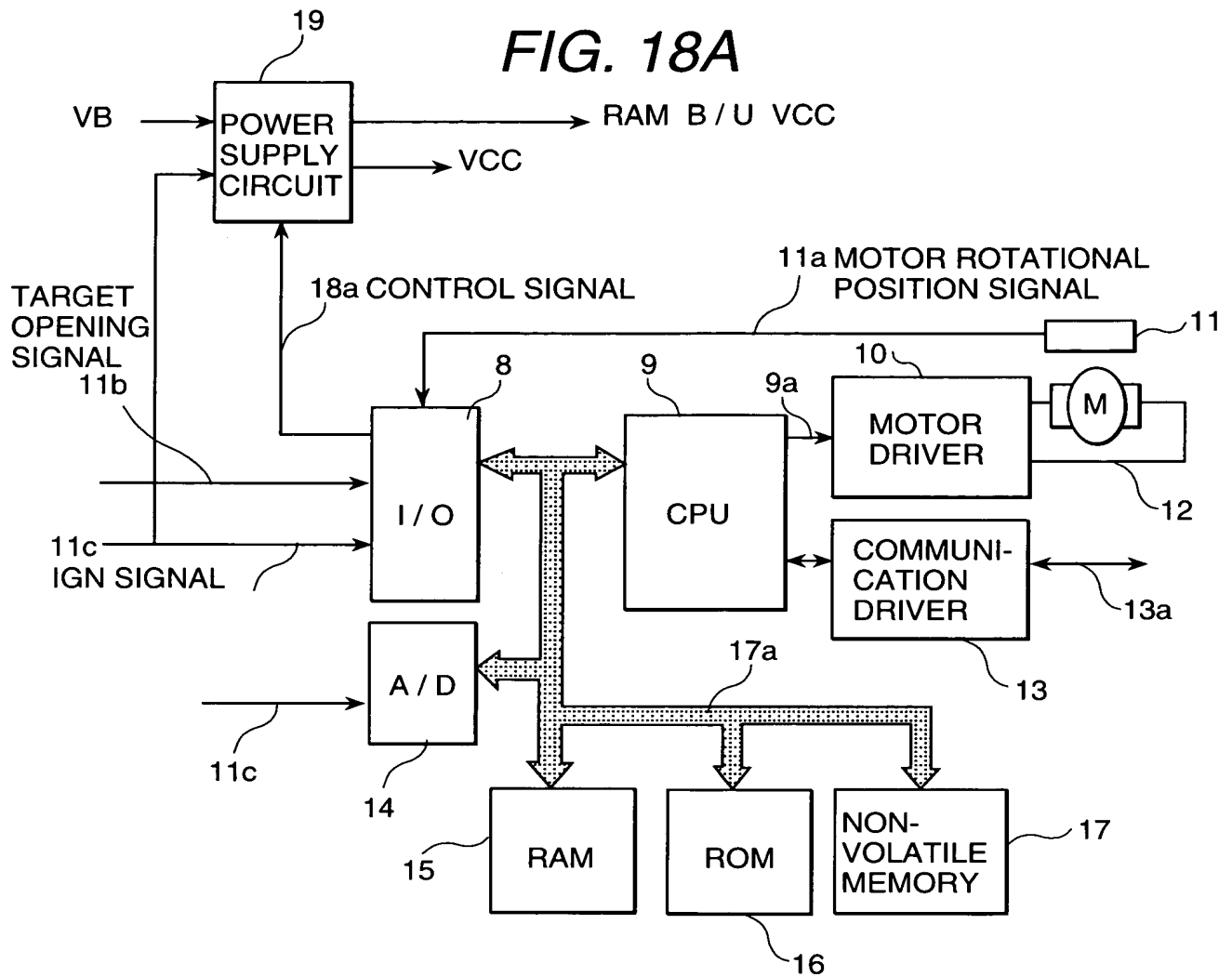
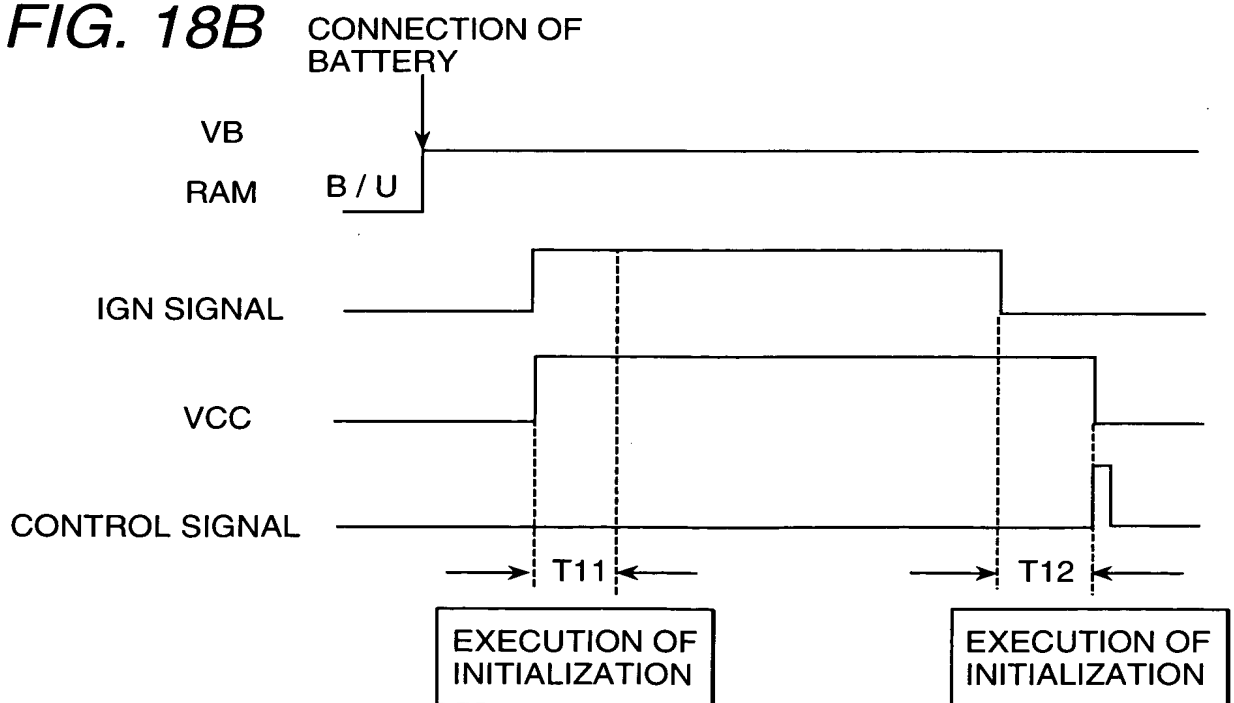
FIG. 18A**FIG. 18B**

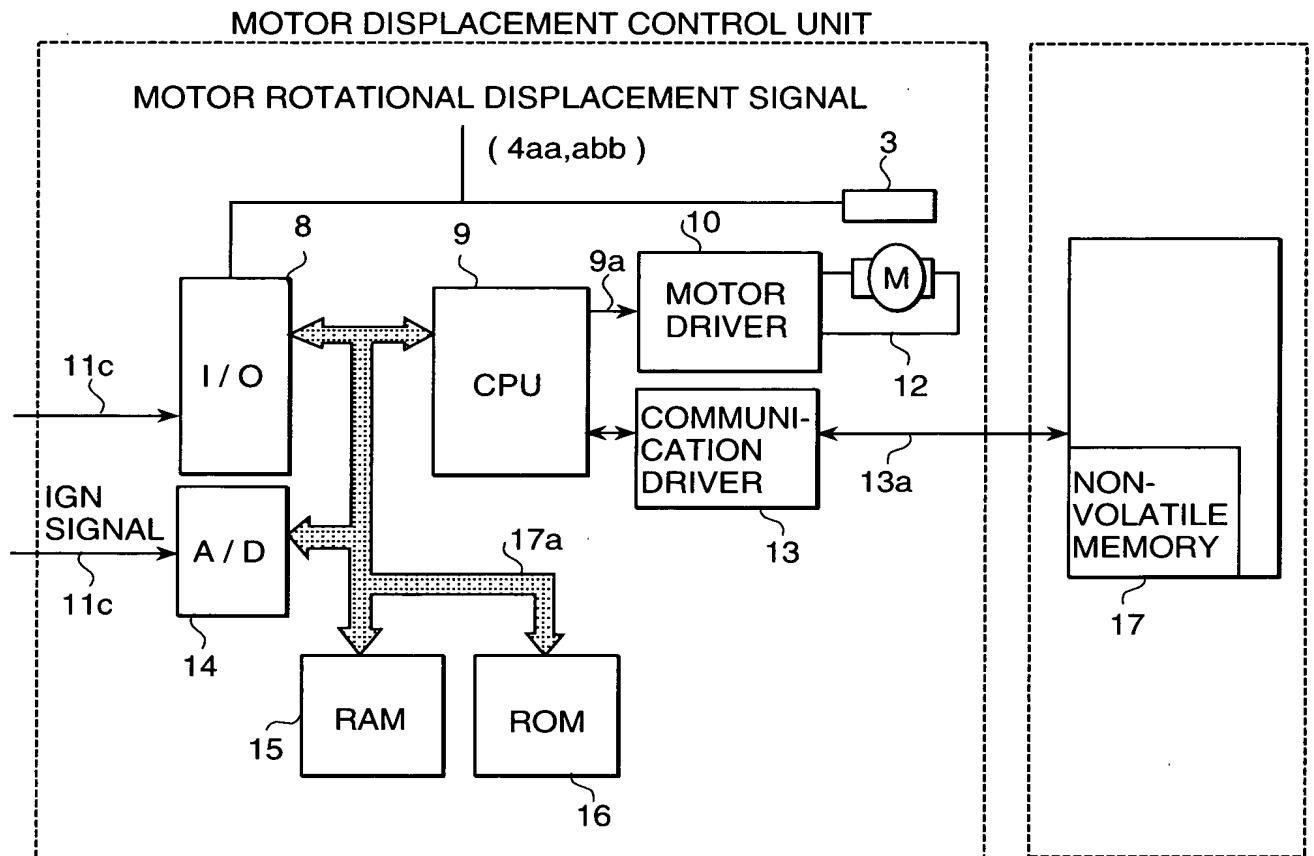
FIG. 19

FIG. 20